

APPENDICES

617.21
Appendix A
State Environmental Quality Review
FULL ENVIRONMENTAL ASSESSMENT FORM

Purpose: The full EAF is designed to help applicants and agencies determine, in an orderly manner, whether a project or action may be significant. The question of whether an action may be significant is not always easy to answer. Frequently, there are aspects of a project that are subjective or unmeasurable. It is also understood that those who determine significance may have little or no formal knowledge of the environment or may be technically expert in environmental analysis. In addition, many who have knowledge in one particular area may not be aware of the broader concerns affecting the question of significance.

The full EAF is intended to provide a method whereby applicants and agencies can be assured that the determination process has been orderly, comprehensive in nature, yet flexible to allow introduction of information to fit a project or action.

Full EAF Components: The full EAF is comprised of three parts:

- Part 1:** Provides objective data and information about a given project and its site. By identifying basic project data, it assists a reviewer in the analysis that takes place in Parts 2 and 3.
- Part 2:** Focuses on identifying the range of possible impacts that may occur from a project or action. It provides guidance as to whether an impact is likely to be considered small to moderate or whether it is a potentially-large impact. The form also identifies whether an impact can be mitigated or reduced.
- Part 3:** If any impact in Part 2 is identified as potentially-large, then Part 3 is used to evaluate whether or not the impact is actually important.

DETERMINATION OF SIGNIFICANCE—Type 1 and Unlisted Actions

Identify the Portions of EAF completed for this project: Part 1 Part 2 Part 3

Upon review of the information recorded on this EAF (Parts 1 and 2 and 3 if appropriate), and any other supporting information, and considering both the magnitude and importance of each impact, it is reasonably determined by the lead agency that:

- A. The project will not result in any large and important impact(s) and, therefore, is one which **will not** have a significant impact on the environment, therefore a **negative declaration will be prepared.**
- B. Although the project could have a significant effect on the environment, there will not be a significant effect for this Unlisted Action because the mitigation measures described in PART 3 have been required, therefore a **CONDITIONED negative declaration will be prepared.***
- C. The project may result in one or more large and important impacts that may have a significant impact on the environment, therefore a **positive declaration will be prepared.**

* A Conditioned Negative Declaration is only valid for Unlisted Actions

BIG INDIAN-BEAVERKILL RANGE WILDERNESS UNIT MANAGEMENT PLAN

Name of Action

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

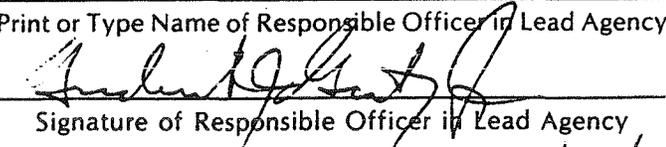
Name of Lead Agency

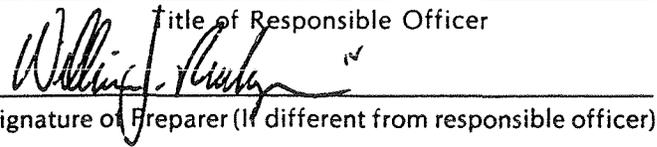
FREDERICK J. GERTY, JR.

REGIONAL FORESTRY MANAGER

Print or Type Name of Responsible Officer in Lead Agency

Title of Responsible Officer


Signature of Responsible Officer in Lead Agency


Signature of Preparer (If different from responsible officer)

3/25/92

Date

PART 1—PROJECT INFORMATION

Prepared by Project Sponsor

NOTICE: This document is designed to assist in determining whether the action proposed may have a significant effect on the environment. Please complete the entire form, Parts A through E. Answers to these questions will be considered as part of the application for approval and may be subject to further verification and public review. Provide any additional information you believe will be needed to complete Parts 2 and 3.

It is expected that completion of the full EAF will be dependent on information currently available and will not involve new studies, research or investigation. If information requiring such additional work is unavailable, so indicate and specify each instance.

NAME OF ACTION Application of the Big Indian-Beaverkill Range Wilderness Area Unit Management Plan		
LOCATION OF ACTION (Include Street Address, Municipality and County) Ulster County, Towns of Shandaken, Denning and Hardenburgh		
NAME OF APPLICANT/SPONSOR New York State Department of Environmental Conservation-Region 3		BUSINESS TELEPHONE (914) 255-5453
ADDRESS 21 South Putt Corners Road		
CITY/PO New Paltz	STATE N.Y.	ZIP CODE 12561
NAME OF OWNER (If different)		BUSINESS TELEPHONE ()
ADDRESS		
CITY/PO	STATE	ZIP CODE
DESCRIPTION OF ACTION Implementation of the Big Indian-Beaverkill Range Wilderness Area Unit Management Plan--see plan for proposed management projects, which include removal of one lean-to construction of four (4) new outhouses, relocation of 1.25 miles of hiking trail and maintenance of 28.2 miles of existing hiking trails.		

Please Complete Each Question— Indicate N.A. if not applicable

A. Site Description

Physical setting of overall project, both developed and undeveloped areas.

1. Present land use: Urban Industrial Commercial Residential (suburban) Rural (non-farm)
 Forest Agriculture Other NYS Forest Preserve

2. Total acreage of project area: 33,500 acres.

APPROXIMATE ACREAGE	PRESENTLY	AFTER COMPLETION
Meadow or Brushland (Non-agricultural)	<u>0</u> acres	<u>0</u> acres
Forested	<u>33,495</u> acres	<u>33,495</u> acres
Agricultural (Includes orchards, cropland, pasture, etc.)	<u>0</u> acres	<u>0</u> acres
Wetland (Freshwater or tidal as per Articles 24, 25 of ECL)	<u>0</u> acres	<u>0</u> acres
Water Surface Area	<u>4</u> acres	<u>4</u> acres
Unvegetated (Rock, earth or fill)	<u>1</u> acres	<u>1</u> acres
Roads, buildings and other paved surfaces	<u>0</u> acres	<u>0</u> acres
Other (Indicate type) _____	_____ acres	_____ acres

3. What is predominant soil type(s) on project site? Arnot-Oquaga-Lackawanna Association
- a. Soil drainage: Well drained 70 % of site Moderately well drained 29 % of site
 Poorly drained 1 % of site
- b. If any agricultural land is involved, how many acres of soil are classified within soil group 1 through 4 of the NYS Land Classification System? N/A acres. (See 1 NYCRR 370).
4. Are there bedrock outcroppings on project site? Yes No
- a. What is depth to bedrock? 1-3 feet (in feet)

5. Approximate percentage of proposed project site with slopes: 0-10% 5 % 10-15% 10 %
 15% or greater 85 %
6. Is project substantially contiguous to, or contain a building, site, or district, listed on the State or the National Registers of Historic Places? Yes No
7. Is project substantially contiguous to a site listed on the Register of National Natural Landmarks? Yes No
8. What is the depth of the water table? 6⁺ (in feet)
9. Is site located over a primary, principal, or sole source aquifer? Yes No
10. Do hunting, fishing or shell fishing opportunities presently exist in the project area? Yes No
11. Does project site contain any species of plant or animal life that is identified as threatened or endangered?
 Yes No According to New York Natural Heritage Program Maps and Data
 Identify each species Northern monk's-hood, Jacob's ladder
12. Are there any unique or unusual land forms on the project site? (i.e., cliffs, dunes, other geological formations)
 Yes No Describe Otter Falls
13. Is the project site presently used by the community or neighborhood as an open space or recreation area?
 Yes No If yes, explain Utilized for hiking, snowshoeing, hunting, fishing
14. Does the present site include scenic views known to be important to the community?
 Yes No Esopus Creek, Willowemoc Creek, Beaverkill & Tributaries
15. Streams within or contiguous to project area: to Dry Brook-for a complete list see UMP Sec. II, A.
 a. Name of Stream and name of River to which it is tributary Esopus: Hudson River, Dry Brook, Willowemoc Creek and Beaverkill: Delaware River
16. Lakes, ponds, wetland areas within or contiguous to project area:
 a. Name Tunis Pond b. Size (in acres) 3.4
17. Is the site served by existing public utilities? Yes No
 a) If Yes, does sufficient capacity exist to allow connection? Yes No
 b) If Yes, will improvements be necessary to allow connection? Yes No
18. Is the site located in an agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? Yes No
19. Is the site located in or substantially contiguous to a Critical Environmental Area designated pursuant to Article 8 of the ECL, and 6 NYCRR 617? Yes No
20. Has the site ever been used for the disposal of solid or hazardous wastes? Yes No *
 *(Occasional illegal roadside dumping of household waste has occurred in the past. One existing site has been identified in the plan and will be cleaned up-see UMP Sec. IV A.)

B. Project Description

1. Physical dimensions and scale of project (fill in dimensions as appropriate)
- a. Total contiguous acreage owned or controlled by project sponsor 33,500 acres.
- b. Project acreage to be developed: 0 acres initially; 0 acres ultimately.
- c. Project acreage to remain undeveloped 33,499 acres. (small, scattered parking lots totaling approximately 1 acre already exist)
- d. Length of project, in miles: N/A (If appropriate)
- e. If the project is an expansion, indicate percent of expansion proposed N/A %;
- f. Number of off-street parking spaces existing 32; proposed 32. (no change)
- g. Maximum vehicular trips generated per hour Less Than 1 (upon completion of project)?
- h. If residential: Number and type of housing units: N/A
- | | One Family | Two Family | Multiple Family | Condominium |
|------------|------------|------------|-----------------|-------------|
| Initially | _____ | _____ | _____ | _____ |
| Ultimately | _____ | _____ | _____ | _____ |
- i. Dimensions (in feet) of largest proposed structure 8 height; 2 width; 8 length. (Information Kiosk)
- j. Linear feet of frontage along a public thoroughfare project will occupy is? N/A ft.

2. How much natural material (i.e., rock, earth, etc.) will be removed from the site? 0 tons/cubic yards
3. Will disturbed areas be reclaimed? Yes No N/A Eroded hiking trails will be reclaimed
 a. If yes, for what intended purpose is the site being reclaimed? with waterbars, drainage ditches, etc.
 b. Will topsoil be stockpiled for reclamation? Yes No
 c. Will upper subsoil be stockpiled for reclamation? Yes No
4. How many acres of vegetation (trees, shrubs, ground covers) will be removed from site? 0 acres.
5. Will any mature forest (over 100 years old) or other locally-important vegetation be removed by this project?
 Yes No
6. If single phase project: Anticipated period of construction _____ months, (including demolition).
7. If multi-phased:
 a. Total number of phases anticipated 5 (number).
 b. Anticipated date of commencement phase 1 9 month 92 year, (including demolition).
 c. Approximate completion date of final phase 8 month 97 year.
 d. Is phase 1 functionally dependent on subsequent phases? Yes No
8. Will blasting occur during construction? Yes No
9. Number of jobs generated: during construction 4; after project is complete 4.
10. Number of jobs eliminated by this project 0.
11. Will project require relocation of any projects or facilities? Yes No If yes, explain A trail and an outhouse will be relocated.
12. Is surface liquid waste disposal involved? Yes No
 a. If yes, indicate type of waste (sewage, industrial, etc.) and amount sewage
 b. Name of water body into which effluent will be discharged None; it will be done 150' or more from water body
13. Is subsurface liquid waste disposal involved? Yes No Type Outhouse
14. Will surface area of an existing water body increase or decrease by proposal? Yes No
 Explain Tunis Pond will remain in its natural condition
15. Is project or any portion of project located in a 100 year flood plain? Yes No
16. Will the project generate solid waste? Yes No
 a. If yes, what is the amount per month 0.15 tons (maximum)
 b. If yes, will an existing solid waste facility be used? Yes No
 c. If yes, give name Outhouses; location see Unit Management Plan
 d. Will any wastes **not** go into a sewage disposal system or into a sanitary landfill? Yes No
 e. If Yes, explain Some users will dispose of human wastes at random surface locations, throughout the forest.
17. Will the project involve the disposal of solid waste? Yes No (Outhouses)
 a. If yes, what is the anticipated rate of disposal? 0.15 tons/month (maximum)
 b. If yes, what is the anticipated site life? 2-5 years. (or more)
18. Will project use herbicides or pesticides? Yes No
19. Will project routinely produce odors (more than one hour per day)? Yes No
20. Will project produce operating noise exceeding the local ambient noise levels? Yes No
21. Will project result in an increase in energy use? Yes No
 If yes, indicate type(s) _____
22. If water supply is from wells, indicate pumping capacity N/A gallons/minute.
23. Total anticipated water usage per day N/A gallons/day.
24. Does project involve Local, State or Federal funding? Yes No
 If Yes, explain New York State

25. Approvals Required:

		Type	Submittal Date
City, Town, Village Board	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
City, Town, Village Planning Board	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
City, Town Zoning Board	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
City, County Health Department	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Other Local Agencies	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Other Regional Agencies	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
State Agencies	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>DEC Commissioner</u>	_____
Federal Agencies	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____

C. Zoning and Planning Information

- Does proposed action involve a planning or zoning decision? Yes No
 If Yes, indicate decision required:
 zoning amendment zoning variance special use permit subdivision site plan
 new/revision of master plan resource management plan other _____
- What is the zoning classification(s) of the site? Wilderness
- What is the maximum potential development of the site if developed as permitted by the present zoning?
Primitive recreation
- What is the proposed zoning of the site? Wilderness
- What is the maximum potential development of the site if developed as permitted by the proposed zoning?
Primitive recreation
- Is the proposed action consistent with the recommended uses in adopted local land use plans? Yes No
- What are the predominant land use(s) and zoning classifications within a 1/4 mile radius of proposed action?
Forestry, Recreation, seasonal and/or permanent residential housing
- Is the proposed action compatible with adjoining/surrounding land uses within a 1/4 mile? Yes No
- If the proposed action is the subdivision of land, how many lots are proposed? N/A
 a. What is the minimum lot size proposed? _____
- Will proposed action require any authorization(s) for the formation of sewer or water districts? Yes No
- Will the proposed action create a demand for any community provided services (recreation, education, police, fire protection)? Yes No
 a. If yes, is existing capacity sufficient to handle projected demand? Yes No
- Will the proposed action result in the generation of traffic significantly above present levels? Yes No
 a. If yes, is the existing road network adequate to handle the additional traffic? Yes No

D. Informational Details

Attach any additional information as may be needed to clarify your project. If there are or may be any adverse impacts associated with your proposal, please discuss such impacts and the measures which you propose to mitigate or avoid them. See Unit Management Plan for resource information and management proposals.

E. Verification

I certify that the information provided above is true to the best of my knowledge.

Applicant/Sponsor Name William Rudge Date 3-25-92
Signature *William Rudge* Title Senior Forester

If the action is in the Coastal Area, and you are a state agency, complete the Coastal Assessment Form before proceeding with this assessment.

Part 2—PROJECT IMPACTS AND THEIR MAGNITUDE

Responsibility of Lead Agency

General Information (Read Carefully)

- In completing the form the reviewer should be guided by the question: Have my responses and determinations been **reasonable**? The reviewer is not expected to be an expert environmental analyst.
- Identifying that an impact will be potentially large (column 2) does not mean that it is also necessarily **significant**. Any large impact must be evaluated in PART 3 to determine significance. Identifying an impact in column 2 simply asks that it be looked at further.
- The **Examples** provided are to assist the reviewer by showing types of impacts and wherever possible the threshold of magnitude that would trigger a response in column 2. The examples are generally applicable throughout the State and for most situations. But, for any specific project or site other examples and/or lower thresholds may be appropriate for a Potential Large Impact response, thus requiring evaluation in Part 3.
- The impacts of each project, on each site, in each locality, will vary. Therefore, the examples are illustrative and have been offered as guidance. They do not constitute an exhaustive list of impacts and thresholds to answer each question.
- The number of examples per question does not indicate the importance of each question.
- In identifying impacts, consider long term, short term and cumulative effects.

Instructions (Read carefully)

- a. Answer each of the 19 questions in PART 2. Answer **Yes** if there will be **any** impact.
- b. **Maybe** answers should be considered as **Yes** answers.
- c. If answering **Yes** to a question then check the appropriate box (column 1 or 2) to indicate the potential size of the impact. If impact threshold equals or exceeds any example provided, check column 2. If impact will occur but threshold is lower than example, check column 1.
- d. If reviewer has doubt about size of the impact then consider the impact as potentially large and proceed to PART 3.
- e. If a potentially large impact checked in column 2 can be mitigated by change(s) in the project to a small to moderate impact, also check the **Yes** box in column 3. A **No** response indicates that such a reduction is not possible. This must be explained in Part 3.

IMPACT ON LAND

1. Will the proposed action result in a physical change to the project site?
 NO YES

Examples that would apply to column 2

- Any construction on slopes of 15% or greater, (15 foot rise per 100 foot of length), or where the general slopes in the project area exceed 10%.
- Construction on land where the depth to the water table is less than 3 feet.
- Construction of paved parking area for 1,000 or more vehicles.
- Construction on land where bedrock is exposed or generally within 3 feet of existing ground surface.
- Construction that will continue for more than 1 year or involve more than one phase or stage.
- Excavation for mining purposes that would remove more than 1,000 tons of natural material (i.e., rock or soil) per year.
- Construction or expansion of a sanitary landfill.
- Construction in a designated floodway.
- Other impacts A lean-to will be removed, 4 new out-houses will be constructed, 1.25 miles of hiking trail may be relocated

2. Will there be an effect to any unique or unusual land forms found on the site? (i.e., cliffs, dunes, geological formations, etc.) NO YES

• Specific land forms: _____

1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

IMPACT ON WATER

3. Will proposed action affect any water body designated as protected? (Under Articles 15, 24, 25 of the Environmental Conservation Law, ECL) NO YES

Examples that would apply to column 2

- Developable area of site contains a protected water body.
- Dredging more than 100 cubic yards of material from channel of a protected stream.
- Extension of utility distribution facilities through a protected water body.
- Construction in a designated freshwater or tidal wetland.
- Other impacts: _____

4. Will proposed action affect any non-protected existing or new body of water? NO YES

Examples that would apply to column 2

- A 10% increase or decrease in the surface area of any body of water or more than a 10 acre increase or decrease.
- Construction of a body of water that exceeds 10 acres of surface area.
- Other impacts: _____

5. Will Proposed Action affect surface or groundwater quality or quantity? NO YES

Examples that would apply to column 2

- Proposed Action will require a discharge permit.
- Proposed Action requires use of a source of water that does not have approval to serve proposed (project) action.
- Proposed Action requires water supply from wells with greater than 45 gallons per minute pumping capacity.
- Construction or operation causing any contamination of a water supply system.
- Proposed Action will adversely affect groundwater.
- Liquid effluent will be conveyed off the site to facilities which presently do not exist or have inadequate capacity.
- Proposed Action would use water in excess of 20,000 gallons per day.
- Proposed Action will likely cause siltation or other discharge into an existing body of water to the extent that there will be an obvious visual contrast to natural conditions.
- Proposed Action will require the storage of petroleum or chemical products greater than 1,100 gallons.
- Proposed Action will allow residential uses in areas without water and/or sewer services.
- Proposed Action locates commercial and/or industrial uses which may require new or expansion of existing waste treatment and/or storage facilities.
- Other impacts: 4 new outhouses will be constructed to properly dispose of human wastes. A designated campsite and lean-to found to be too close to water courses within

6. Will proposed action alter drainage flow or patterns, or surface water runoff? NO YES

Examples that would apply to column 2

- Proposed Action would change flood water flows. the unit will be eliminated.

1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No

- Construction activity would excavate or compact the soil profile of agricultural land.
- The proposed action would irreversibly convert more than 10 acres of agricultural land or, if located in an Agricultural District, more than 2.5 acres of agricultural land.
- The proposed action would disrupt or prevent installation of agricultural land management systems (e.g., subsurface drain lines, outlet ditches, strip cropping); or create a need for such measures (e.g. cause a farm field to drain poorly due to increased runoff)
- Other impacts: _____

IMPACT ON AESTHETIC RESOURCES

11. Will proposed action affect aesthetic resources? NO YES
(If necessary, use the Visual EAF Addendum in Section 617.21, Appendix B.)

Examples that would apply to column 2

- Proposed land uses, or project components obviously different from or in sharp contrast to current surrounding land use patterns, whether man-made or natural.
- Proposed land uses, or project components visible to users of aesthetic resources which will eliminate or significantly reduce their enjoyment of the aesthetic qualities of that resource.
- Project components that will result in the elimination or significant screening of scenic views known to be important to the area.
- Other impacts: The plan will protect the aesthetic resources of the unit. A lean-to found to be too close to a hiking trail will be removed.

IMPACT ON HISTORIC AND ARCHAEOLOGICAL RESOURCES

12. Will Proposed Action impact any site or structure of historic, pre-historic or paleontological importance? NO YES

Examples that would apply to column 2

- Proposed Action occurring wholly or partially within or substantially contiguous to any facility or site listed on the State or National Register of historic places.
- Any impact to an archaeological site or fossil bed located within the project site.
- Proposed Action will occur in an area designated as sensitive for archaeological sites on the NYS Site Inventory.
- Other impacts: _____

IMPACT ON OPEN SPACE AND RECREATION

13. Will Proposed Action affect the quantity or quality of existing or future open spaces or recreational opportunities? NO YES

Examples that would apply to column 2

- The permanent foreclosure of a future recreational opportunity.
- A major reduction of an open space important to the community.
- Other impacts: The removal of a lean-to will reduce camping opportunities in the unit. However, this lean-to was within feet of McKenley Hollow Brook and camping at this site could not continue without environmental impacts.

1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No

IMPACT ON TRANSPORTATION

14. Will there be an effect to existing transportation systems?
 NO YES

Examples that would apply to column 2

- Alteration of present patterns of movement of people and/or goods.*
- Proposed Action will result in major traffic problems.
- Other impacts: *The plan proposed abandonment of the Black Bear Rd. beyond the State land boundary. While foot travel will continue, motor vehicle use will be prohibited. The road is in poor condition and is rarely used by motor vehicles.

15. Will proposed action affect the community's sources of fuel or energy supply?
 NO YES

Examples that would apply to column 2

- Proposed Action will cause a greater than 5% increase in the use of any form of energy in the municipality.
- Proposed Action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two family residences or to serve a major commercial or industrial use.
- Other impacts: _____

NOISE AND ODOR IMPACTS

16. Will there be objectionable odors, noise, or vibration as a result of the Proposed Action?
 NO YES

Examples that would apply to column 2

- Blasting within 1,500 feet of a hospital, school or other sensitive facility.
- Odors will occur routinely (more than one hour per day).
- Proposed Action will produce operating noise exceeding the local ambient noise levels for noise outside of structures.
- Proposed Action will remove natural barriers that would act as a noise screen.
- Other impacts: _____

IMPACT ON PUBLIC HEALTH

17. Will Proposed Action affect public health and safety?
 NO YES

Examples that would apply to column 2

- Proposed Action may cause a risk of explosion or release of hazardous substances (i.e. oil, pesticides, chemicals, radiation, etc.) in the event of accident or upset conditions, or there may be a chronic low level discharge or emission.
- Proposed Action may result in the burial of "hazardous wastes" in any form (i.e. toxic, poisonous, highly reactive, radioactive, irritating, infectious, etc.)
- Storage facilities for one million or more gallons of liquified natural gas or other flammable liquids.
- Proposed action may result in the excavation or other disturbance within 2,000 feet of a site used for the disposal of solid or hazardous waste.
- Other impacts: _____

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No

**IMPACT ON GROWTH AND CHARACTER
OF COMMUNITY OR NEIGHBORHOOD**

18. Will proposed action affect the character of the existing community?
 NO YES

Examples that would apply to column 2

- The permanent population of the city, town or village in which the project is located is likely to grow by more than 5%.
- The municipal budget for capital expenditures or operating services will increase by more than 5% per year as a result of this project.
- Proposed action will conflict with officially adopted plans or goals.
- Proposed action will cause a change in the density of land use.
- Proposed Action will replace or eliminate existing facilities, structures or areas of historic importance to the community.
- Development will create a demand for additional community services (e.g. schools, police and fire, etc.)
- Proposed Action will set an important precedent for future projects.
- Proposed Action will create or eliminate employment.
- Other impacts: _____

1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No

19. Is there, or is there likely to be, public controversy related to potential adverse environmental impacts?
 NO YES

**If Any Action in Part 2 Is Identified as a Potential Large Impact or
If You Cannot Determine the Magnitude of Impact, Proceed to Part 3**

Part 3—EVALUATION OF THE IMPORTANCE OF IMPACTS

Responsibility of Lead Agency

Part 3 must be prepared if one or more impact(s) is considered to be potentially large, even if the impact(s) may be mitigated.

Instructions

Discuss the following for each impact identified in Column 2 of Part 2:

1. Briefly describe the impact.
2. Describe (if applicable) how the impact could be mitigated or reduced to a small to moderate impact by project change(s).
3. Based on the information available, decide if it is reasonable to conclude that this impact is **important**.

To answer the question of importance, consider:

- The probability of the impact occurring
- The duration of the impact
- Its irreversibility, including permanently lost resources of value
- Whether the impact can or will be controlled
- The regional consequence of the impact
- Its potential divergence from local needs and goals
- Whether known objections to the project relate to this impact.

(Continue on attachments)

617.21
Appendix F
State Environmental Quality Review
NEGATIVE DECLARATION
Notice of Determination of Non-Significance

Project Number _____

Date _____

This notice is issued pursuant to Part 617 of the implementing regulations pertaining to Article 8 (State Environmental Quality Review Act) of the Environmental Conservation Law.

The New York State Department of Environmental Conservation, as lead agency, has determined that the proposed action described below will not have a significant effect on the environment and a Draft Environmental Impact Statement will not be prepared.

Name of Action: Implementation of the Big Indian-Beaverkill Range Wilderness Area Unit Management Plan

SEQR Status: Type I
Unlisted

Conditioned Negative Declaration: Yes
 No

Description of Action: The plan identifies the various resources of the 33,500 acre Big Indian-Beaverkill Range Wilderness Area, a part of the Catskill Forest Preserve. It also identifies the constraints and issues affecting the area and develops a series of goals and objectives which will govern the area's future management. Specific projects proposed to fulfill these goals and objectives include abandonment of an unmaintained town road (Black Bear Road), removal of a lean-to in McKenley Hollow, elimination of a designated campsite in Rider Hollow, construction of four new outhouses, relocation of 1.25 miles of the Seager-Big Indian Trail, maintenance of 28.2 miles of existing hiking trails, and an increase in Department staffing to better manage/maintain the area. See the Unit Management Plan for a complete list of management recommendations.

Location: (Include street address and the name of the municipality/county. A location map of appropriate scale is also recommended.)

Ulster County, Towns of Shandaken, Denning and Hardenburgh. New York State Forest Preserve lands designated as the Big Indian-Beaverkill Range Wilderness Area. See Unit Management Plan maps for exact location (a general location map is attached).

SEQR Negative Declaration

Reasons Supporting This Determination:

(See 617.6(g) for requirements of this determination; see 617.6(h) for Conditioned Negative Declaration)

The area will be managed in accordance with the Wilderness guidelines established in the Catskill Park State Land Master Plan, as well as the constraints set forth in Article XIV of the NYS Constitution and Article 9 of the Environmental Conservation Law.

Abandonment of the northern end of the Black Bear Road will displace some motorized use of the Unit. However, the road has not been maintained in several years and is no longer suitable for motor vehicle use. The road will remain open to pedestrian use as a hiking trail. The State Land Master Plan prohibits motor vehicles in wilderness areas.

Removal of a lean-to and a designated campsite will reduce recreational opportunities in the Unit. However, in both cases the sites were too close to water courses to allow for continued use without adverse water quality impacts. The lean-to will be taken apart with a chainsaw and hand tools. Shingles and roofing paper will be stripped from the roof, carried out and disposed of at the Town landfill. The logs will be scattered in the woods at least 150 feet from the trail and stream and left to decompose. The fireplace will be broken up and buried. The site will be raked to expose mineral soil and then reseeded with a conservation mix of grasses to prevent soil erosion. The wooden framed outhouse near this lean-to will be taken apart with hand tools and burned. The hole will be filled in with soil and reseeded. New outhouses will be located at least 150 feet from water on well-drained upland sites to prevent surface water contamination. Outhouses facilitate the disposal of human waste at appropriate locations. They will be checked annually and relocated when the pit fills.

CONTINUED

If Conditioned Negative Declaration, provide on attachment the specific mitigation measures imposed.

For Further Information:

Contact Person: William Rudge, Senior Forester
Address: 21 South Putt Corners Road, New Paltz, New York 12561
Telephone Number: (914)255-5453

For Type I Actions and Conditioned Negative Declarations, a Copy of this Notice Sent to:

Commissioner, Department of Environmental Conservation, 50 Wolf Road, Albany, New York 12233-0001
 Appropriate Regional Office of the Department of Environmental Conservation
 Office of the Chief Executive Officer of the political subdivision in which the action will be principally located.

Applicant (if any)

Other involved agencies (if any)

SEQR NEGATIVE DECLARATION
BIG INDIAN-BEAVERKILL RANGE WILDERNESS AREA UNIT
REASONS SUPPORTING THIS DETERMINATION - CONTINUED

Three new campsites will be designated at well drained upland locations which do not contain rare or fragile plant or animal habitats. By designating campsites in these areas the public will be less likely to camp at inappropriate sites and soil compaction and trampled vegetation will be minimized.

The proposed construction of water bars and drainage ditches on existing marked and maintained trails is intended to minimize the exacerbation of soil erosion. The Department proposes to develop a Memorandum of Understanding with the Catskill 3500 Club to adopt and implement policies which would minimize the impacts associated with hiking on trailless peaks.

A proposed trail relocation will involve an immaterial amount of tree cutting, and possible soil erosion and the trampling of vegetation within the trail corridor (6 feet wide, 1.25 miles long). These impacts will not be significant for several reasons. Tree cutting will be limited by passing around large trees and cutting only small understory trees blocking the new route. Any actions involving tree cutting will be in compliance with the Commissioner's Delegation Memorandum, #84-06, on the cutting, removal or destruction of trees on Forest Preserve lands. The Department will follow minimum impact trail building techniques as described in the Appalachian Mountain Club's Field Guide to Trail Building and Maintenance, 2nd edition. The techniques include avoiding steep grades and employing drainage dips, ditches and waterbars to prevent soil erosion. Rare plant habitats will be avoided. Only hand tools will be utilized, thus reducing the noise associated with trail construction. The total area affected will be less than one acre.

Information boards will be erected at major trailheads to convey rules and regulations governing the use of Forest Preserve land and to instruct users in techniques for minimum impact camping, proper human sanitation and precautions concerning Giardiasis and Lyme Disease and prevention measures on rabies. Emergency phone numbers will also be posted. The construction of these boards will have a minimal impact because no trees will be cut and they will be painted with earth tone colors compatible with the area.

The impacts of all of the actions discussed were evaluated in the accompanying Full Environmental Assessment Form and are more fully described in the Unit Management Plan. The UMP also contains a Bibliography on pages 97-100 which includes references which were relied upon in the preparation of the Negative Declaration. All impacts were determined to be small. Their affects were limited to relatively small areas with the area involved being far less than 1% of the total project area.

APPENDIX B - WILDLIFE.

Appendix B-1. Status and occurrence of New York amphibians in the Big Indian-Beaverkill Range Wilderness Area, a part of the Catskill Peaks subzone as listed in "Integrating Timber and Wildlife Management Handbook" (Chambers, 1983).

<u>SPECIES</u>	<u>STATUS in NY</u>
Jefferson Salamander	Special Concern
Blue-Spotted Salamander	Special Concern
Spotted Salamander	Special Concern
Red-spotted Newt	
Dusky Salamander	
Mountain Dusky Salamander	
Redback Salamander	
Slimy Salamander	
Four-toed Salamander	
Spring Salamander	
Red Salamander	
Two-lined Salamander	
Longtail Salamander	
American Toad	
Fowler's Toad	
Spring Peeper	
Gray Treefrog	
Bullfrog	Game Species
Green Frog	Game Species
Wood Frog	Game Species
Pickerel Frog	Game Species

Appendix B-2. Status and occurrence of New York reptiles in the Big Indian-Beaverkill Range Wilderness Area, a part of the Catskill Peaks subzone as listed in "Integrating Timber and Wildlife Management Handbook" (Chambers, 1983).

<u>SPECIES</u>	<u>STATUS in NY</u>
Snapping Turtle	
Stinkpot	
Spotted Turtle	Special Concern
Wood Turtle	Special Concern/Game Species
Painted Turtle	
Northern Water Snake	
Brown Snake	
Redbelly Snake	
Common Garter Snake	
Eastern Ribbon Snake	
Eastern Hognose Snake	Special Concern
Ringneck Snake	
Black Racer	
Smooth Green Snake	
Rat Snake	
Milk Snake	

NEW YORK STATE BREEDING BIRD ATLAS
 BREEDING SPECIES OF : BIG INDIAN - BEAVERKILL WILDERNESS
 1980-1985 DATA - AOU CHECKLIST ORDER

COMMON NAME	SCIENTIFIC NAME	NEW YORK LEGAL STATUS	NATURAL HERITAGE PROGRAM STATE RANK
CONFIRMED BREEDERS			
Red-shouldered Hawk	<i>Buteo lineatus</i>	Threatened	S4
Ruffed Grouse	<i>Bonasa umbellus</i>	Game Species	S5
Wild Turkey	<i>Meleagris gallopavo</i>	Game Species	S5
American Woodcock	<i>Scolopax minor</i>	Game Species	S5
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	Protected	S5
Barred Owl	<i>Strix varia</i>	Protected	S5
Chimney Swift	<i>Chaetura pelagica</i>	Protected	S5
Ruby-throated Hummingbird	<i>Archilochus colubris</i>	Protected	S5
Belted Kingfisher	<i>Ceryle alcyon</i>	Protected	S5
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	Protected	S5
Downy Woodpecker	<i>Picoides pubescens</i>	Protected	S5
Hairy Woodpecker	<i>Picoides villosus</i>	Protected	S5
Northern Flicker	<i>Colaptes auratus</i>	Protected	S5
Eastern Wood-Pewee	<i>Contopus virens</i>	Protected	S5
Least Flycatcher	<i>Empidonax minimus</i>	Protected	S5
Eastern Phoebe	<i>Sayornis phoebe</i>	Protected	S5
Eastern Kingbird	<i>Tyrannus tyrannus</i>	Protected	S5
Tree Swallow	<i>Tachycineta bicolor</i>	Protected	S5
Cliff Swallow	<i>Hirundo pyrrhonota</i>	Protected	S5
Barn Swallow	<i>Hirundo rustica</i>	Protected	S5
Blue Jay	<i>Cyanocitta cristata</i>	Protected	S5
Common Raven	<i>Corvus corax</i>	Protected-Special Concern	S4
Black-capped Chickadee	<i>Parus atricapillus</i>	Protected	S5
Tufted Titmouse	<i>Parus bicolor</i>	Protected	S5
Red-breasted Nuthatch	<i>Sitta canadensis</i>	Protected	S5
White-breasted Nuthatch	<i>Sitta carolinensis</i>	Protected	S5
House Wren	<i>Troglodytes aedon</i>	Protected	S5
Winter Wren	<i>Troglodytes troglodytes</i>	Protected	S5
Golden-crowned Kinglet	<i>Regulus satrapa</i>	Protected	S5
Eastern Bluebird	<i>Sialia sialis</i>	Protected-Special Concern	S5

Appendix B-3. Status and occurrence of breeding birds as listed in "Atlas of Breeding Birds in New York State" (Andrle and Carroll, 1988).

NEW YORK STATE BREEDING BIRD ATLAS
 BREEDING SPECIES OF : BIG INDIAN - BEAVERKILL WILDERNESS
 1980-1985 DATA - AOU CHECKLIST ORDER

COMMON NAME	SCIENTIFIC NAME	NEW YORK LEGAL STATUS	NATURAL HERITAGE PROGRAM STATE RANK
Veery	<i>Catharus fuscescens</i>	Protected	S5
Swainson's Thrush	<i>Catharus ustulatus</i>	Protected	S5
Hermit Thrush	<i>Catharus guttatus</i>	Protected	S5
Wood Thrush	<i>Hylocichla mustelina</i>	Protected	S5
American Robin	<i>Turdus migratorius</i>	Protected	S5
Gray Catbird	<i>Dumetella carolinensis</i>	Protected	S5
Brown Thrasher	<i>Toxostoma rufum</i>	Protected	S5
Cedar Waxwing	<i>Bombycilla cedrorum</i>	Protected	S5
European Starling	<i>Sturnus vulgaris</i>	Unprotected	SE
Solitary Vireo	<i>Vireo solitarius</i>	Protected	S5
Red-eyed Vireo	<i>Vireo olivaceus</i>	Protected	S5
Yellow Warbler	<i>Dendroica petechia</i>	Protected	S5
121 Chestnut-sided Warbler	<i>Dendroica pensylvanica</i>	Protected	S5
Magnolia Warbler	<i>Dendroica magnolia</i>	Protected	S5
Black-throated Blue Warbler	<i>Dendroica caerulescens</i>	Protected	S5
Yellow-rumped Warbler	<i>Dendroica coronata</i>	Protected	S5
Black-throated Green Warbler	<i>Dendroica virens</i>	Protected	S5
Blackburnian Warbler	<i>Dendroica fusca</i>	Protected	S5
Blackpoll Warbler	<i>Dendroica striata</i>	Protected	S3
Black-and-white Warbler	<i>Mniotilta varia</i>	Protected	S5
American Redstart	<i>Setophaga ruticilla</i>	Protected	S5
Ovenbird	<i>Seiurus aurocapillus</i>	Protected	S5
Northern Waterthrush	<i>Seiurus noveboracensis</i>	Protected	S5
Louisiana Waterthrush	<i>Seiurus motacilla</i>	Protected	S5
Mourning Warbler	<i>Oporornis philadelphia</i>	Protected	S5
Common Yellowthroat	<i>Geothlypis trichas</i>	Protected	S5
Canada Warbler	<i>Wilsonia canadensis</i>	Protected	S5
Scarlet Tanager	<i>Piranga olivacea</i>	Protected	S5
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>	Protected	S5
Rufous-sided Towhee	<i>Pipilo erythrophthalmus</i>	Protected	S5
Chipping Sparrow	<i>Spizella passerina</i>	Protected	S5
Field Sparrow	<i>Spizella pusilla</i>	Protected	S5
Song Sparrow	<i>Melospiza melodia</i>	Protected	S5

NEW YORK STATE BREEDING BIRD ATLAS
 BREEDING SPECIES OF : BIG INDIAN - BEAVERKILL WILDERNESS
 1980-1985 DATA - AOU CHECKLIST ORDER

COMMON NAME	SCIENTIFIC NAME	NEW YORK LEGAL STATUS	NATURAL HERITAGE PROGRAM STATE RANK
Swamp Sparrow	<i>Melospiza georgiana</i>	Protected	S5
White-throated Sparrow	<i>Zonotrichia albicollis</i>	Protected	S5
Dark-eyed Junco	<i>Junco hyemalis</i>	Protected	S5
Bobolink	<i>Dolichonyx oryzivorus</i>	Protected	S5
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	Protected	S5
Common Grackle	<i>Quiscalus quiscula</i>	Protected	S5
Brown-headed Cowbird	<i>Molothrus ater</i>	Protected	S5
Northern Oriole	<i>Icterus galbula</i>	Protected	S5
Purple Finch	<i>Carpodacus purpureus</i>	Protected	S5
House Finch	<i>Carpodacus mexicanus</i>	Protected	SE
House Sparrow	<i>Passer domesticus</i>	Unprotected	SE
PROBABLE BREEDERS			
Canada Goose	<i>Branta canadensis</i>	Game Species	S5
Wood Duck	<i>Aix sponsa</i>	Game Species	S5
American Black Duck	<i>Anas rubripes</i>	Game Species	S4
Mallard	<i>Anas platyrhynchos</i>	Game Species	S5
Broad-winged Hawk	<i>Buteo platypterus</i>	Protected	S5
Red-tailed Hawk	<i>Buteo jamaicensis</i>	Protected	S5
Mourning Dove	<i>Zenaida macroura</i>	Protected	S5
Pileated Woodpecker	<i>Dryocopus pileatus</i>	Protected	S5
Olive-sided Flycatcher	<i>Contopus borealis</i>	Protected	S5
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	Protected	S3
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	Protected	S5
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	Protected	S5
Brown Creeper	<i>Certhia americana</i>	Protected	S5
Gray-cheeked Thrush	<i>Catharus minimus</i>	Protected	S3
Yellow-throated Vireo	<i>Vireo flavifrons</i>	Protected	S5
Warbling Vireo	<i>Vireo gilvus</i>	Protected	S5
Northern Cardinal	<i>Cardinalis cardinalis</i>	Protected	S5
Indigo Bunting	<i>Passerina cyanea</i>	Protected	S5
Red Crossbill	<i>Loxia curvirostra</i>	Protected	S3

NEW YORK STATE BREEDING BIRD ATLAS
 BREEDING SPECIES OF : BIG INDIAN - BEAVERKILL WILDERNESS
 1980-1985 DATA - AOU CHECKLIST ORDER

COMMON NAME	SCIENTIFIC NAME	NEW YORK LEGAL STATUS	NATURAL HERITAGE PROGRAM STATE RANK
Pine Siskin	<i>Carduelis pinus</i>	Protected	S5
American Goldfinch	<i>Carduelis tristis</i>	Protected	S5
POSSIBLE BREEDERS			
Great Blue Heron	<i>Ardea herodias</i>	Protected	S5
Turkey Vulture	<i>Cathartes aura</i>	Protected	S4
Sharp-shinned Hawk	<i>Accipiter striatus</i>	Protected	S4
Cooper's Hawk	<i>Accipiter cooperii</i>	Protected-Special Concern	S4
American Kestrel	<i>Falco sparverius</i>	Protected	S5
American Crow	<i>Corvus brachyrhynchos</i>	Game Species	S5
Eastern Screech-Owl	<i>Otus asio</i>	Protected	S5
Great Horned Owl	<i>Bubo virginianus</i>	Protected	S5
Northern Saw-whet Owl	<i>Aegolius acadicus</i>	Protected	S3
Blue-winged Warbler	<i>Vermivora pinus</i>	Protected	S5
Nashville Warbler	<i>Vermivora ruficapilla</i>	Protected	S5

Appendix B-3. Status and occurrence of breeding birds as listed in "Atlas of Breeding Birds in New York State" (Andrle and Carroll, 1988).

ADDITIONAL POSSIBLE BREEDING BIRD SPECIES OF BIG INDIAN-BEAVERKILL RANGE WILDERNESS AREA (as listed in "Integrating Timber and Wildlife Management Handbook", Chambers, 1983; not in NYS Breeding Bird Atlas)

COMMON NAME	SCIENTIFIC NAME	NEW YORK LEGAL STATUS
Green Heron	<i>Butorides striatus</i>	Protected
Northern Goshawk	<i>Accipiter gentilis</i>	Protected
Peregrine Falcon	<i>Falco peregrinus</i>	Endangered
Common Snipe	<i>Capella gallinago</i>	Game Species
Yellow-Billed Cuckoo	<i>Coccyzus americanus</i>	Protected
Whip-Poor-Will	<i>Caprimulgus vociferus</i>	Protected
Common Nighthawk	<i>Chordeiles minor</i>	Protected - Special Concern
Willow Flycatcher	<i>Empidonax traillii</i>	Protected
Alder Flycatcher	<i>Empidonax alnorum</i>	Protected
Bank Swallow	<i>Riparia riparia</i>	Protected
Purple Martin	<i>Progne subis</i>	Protected
Blue-Gray Gnatcatcher	<i>Polioptila caerulea</i>	Protected
Worm-Eating Warbler	<i>Helmitheros vermivorus</i>	Protected
Golden-Winged Warbler	<i>Vermivora chrysoptera</i>	Protected
Cerulean Warbler	<i>Dendroica cerulea</i>	Protected
Yellow-Breasted Chat	<i>Icteria trichas</i>	Protected
Hooded Warbler	<i>Wilsonia citrina</i>	Protected
Savannah Sparrow	<i>Passerculus sandwichensis</i>	Protected
Vesper Sparrow	<i>Pooecetes gramineus</i>	Protected - Special Concern

Appendix B-4. Status and occurrence of New York mammals in the Big Indian-Beaverkill Range Wilderness Area, a part of the Catskill Peaks subzone as listed in "Integrating Timber and Wildlife Management Handbook" (Chambers, 1983).

<u>SPECIES</u>	<u>STATUS*</u>	<u>SPECIES</u>	<u>STATUS*</u>
Masked Shrew		Eastern Chipmunk	
Smoky Shrew		Gray Squirrel	GS
Longtail Shrew		Red Squirrel	
Water Shrew		Southern Flying Squirrel	
Least Shrew		Northern Flying Squirrel	
Shorttail Shrew		Beaver	GS
Starnose Mole		Deer Mouse	
Hairy-tailed Mole		White-footed Mouse	
Little Brown Bat		Southern Bog Lemming	
Keen's Bat		Southern Red-backed Vole	
Small-footed Bat SC		Meadow Vole	
Silver-haired Bat		Woodland Vole	
Eastern Pipistrelle		Muskrat	GS
Big Brown Bat		Meadow Jumping Mouse	
Red Bat		Woodland Jumping Mouse	
Hoary Bat		Porcupine	
Black Bear	GS	Snowshoe Hare	GS
Raccoon	GS	Eastern Cottontail	GS
Whitetailed Deer	GS	Mink	GS
Fisher	GS	Shorttail Weasel	GS
River Otter	GS	Longtail Weasel	GS
Striped Skunk	GS	Coyote	GS
Red Fox	GS	Gray Fox	GS
Bobcat	GS	Woodchuck	GS
Opossum	GS		

*Status = status in New York State,
 SC = Special Concern
 GS = Game Species

Appendix B-5: Fish Species occurring in the waters of the Big Indian-Beaverkill Range Wilderness Area based upon historical surveys.

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
American eel	<u>Anquilla rostrata</u>
Atlantic salmon	<u>Salmo salar</u>
Bullhead	<u>Ictalurus sp.</u>
Chain pickerel	<u>Esox niger</u>
Creek chub	<u>Semotilus atromaculatus</u>
Blacknose dace	<u>Rhinichthys atratulus</u>
Longnose dace	<u>Rhinichthys cataractae</u>
Golden shiner	<u>Notemigonus crysoleucas</u>
Pumpkinseed	<u>Lepomis gibbosus</u>
Sculpin	<u>Cottus sp.</u>
Smallmouth bass	<u>Micropterus dolomieu</u>
Tessellated darter	<u>Etheostoma olmstedii</u>
Tiger muskellunge	<u>Esox lucius</u> X <u>E. masquinongy</u>
Brook trout	<u>Salvelinus fontinalis</u>
Brown trout	<u>Salmo trutta</u>
Rainbow trout	<u>Oncorhynchus mykiss</u>
Yellow perch	<u>Perca flavescens</u>
White sucker	<u>Catostomus commersoni</u>

APPENDIX C - SIGN INVENTORY

LEGEND

ARROW

R - Right
L - Left
S - Straight

MARKER

R - Red
Y - Yellow
B - Blue

<u>SIGN</u>	<u>ARROW</u>	<u>MARKER</u>	<u>LOCATION</u>
<u>MONGAUP-HARDENBURGH TRAIL</u>			
Long Pond Road 3.0 Long Pond Leanto 3.8 (sign split)	L	R	Intersection of Mongaup- Hardenburgh & Lon Pond-Willowemoc Trails
Mongaup Pond 3.0	L	B	Intersection of Mongaup- Hardenburgh & Lon Pond-Willowemoc Trails
Hardenburgh Road 3.0	R	B	Intersection of Mongaup- Hardenburgh & Lon Pond-Willowemoc Trails
<u>SEAGER TRAIL</u>			
Shandaken Creek Leanto 2.1 Eagle Mountain 4.3 Big Indian Mountain 4.9	R	Y	Seager Trailhead parking area.
"If You Carry It In, Carry It Out"	S		Seager Trailhead parking area.
This is private land (paper)	S		Seager Trailhead parking area.
Seager Parking Area .9	L	Y	At Bridge crossing, Dry Brook
Shandaken Creek Leanto 1.1	R	Y	At Bridge crossing, Dry Brook

<u>SIGN</u>		<u>ARROW</u>	<u>MARKER</u>	<u>LOCATION</u>
Seager Parking Lot	1.25	R	Y	After stream crossing, 6206 feet from trailhead
Shandaken Creek Leanto	.85	L	Y	After stream crossing, 6206 feet from trailhead
"If You Carry It In, Carry It Out"		S		At trail register
<u>NEVERSINK-HARDENBURGH TRAIL</u>				
"If You Carry It In, Carry It Out"		S		Fall Brook Leanto
<u>PINE HILL-WEST BRANCH TRAIL</u>				
(2) Trail		R,L		Trailhead at County Route 47
(2) Rules and Regulations Sign		R,L		Trailhead at County Route 47
Biscuit Brook Leanto	1.9	R	B	Trailhead at County Route 47
Big Indian Mountain	4.45			
Shandaken Creek Leanto	6.75			
Pine Hill Village	14.90			
Slide Mountain Parking Lot	3.8	R		Trailhead at County Route 47
Giant Ledge Parking Area	5.75			
"If You Carry It In, Carry It Out"		S		Trailhead at County Route 47
(2) Trail Sign		L,R		4210 feet from trailhead
(2) Leanto Signs		L,R		Junction of leant spur trail
Trail		R		Junction of leant spur trail

<u>SIGN</u>		<u>ARROW</u>	<u>MARKER</u>	<u>LOCATION</u>
Biscuit Brook West Branch Highway (unclear)	1.45	L	B	Old Seager-West Branch Junction
Claryville (sign poor shape)	14.35			
3500 feet No Camping		S		Near Summit of Bi Indian - south side
3500 feet No Camping (poor condition)		S		Summit of Big Indian
Belleayre Mountain	2.9	R	B	Intersection with Oliverrea-Mapledal Trail
Belleayre Mountain Leanto	3.4			
Pine Hill Village	5.8			
McKenley Hollow	1.4	L	R	Intersection with Oliverrea-Mapledal Trail
McKenley Hollow Leanto	1.2			
Oliverrea	2.7			
Eagle Mountain	2.1	L	B	Intersection with Oliverrea-Mapledal Trail
Shandaken Creek Leanto	4.1			
Biscuit Brook Leanto	7.2			
Biscuit Brook Parking Lot	9.1			
Rider Hollow Leanto #3	1.15	L	R	Intersection with Oliverrea-Mapledal Trail
Rider Hollow Leanto #1	1.35			
Mapledale	4.2			
3500 feet No Camping				Summit of Balsam Mountain - south side
3500 feet No Camping				Summit of Balsam Mountain - north side
Big Indian Mountain	1.5	R	B	Junction with Seager Trail
Biscuit Brook Leanto	3.5			
West Branch Highway (Faded needs new sign)	4.7			

<u>SIGN</u>		<u>ARROW</u>	<u>MARKER</u>	<u>LOCATION</u>
Eagle Mountain	1.0	R	B	Junction with
Balsam Mountain	3.9			Seager Trail
Belleayre	6.0			
(sign down)				
Seager Parking Area	3.0			
Stewart's Turn	4.15			
Shandaken Creek Leanto				
(sign cracked)	.9			
<u>OLIVEREA-MAPLEDALE TRAIL</u>				
Motorized Vehicles		S		Rider Hollow
Prohibited, Foot Trail				Parking Lot
Rider Hollow Trailhead		S		Rider Hollow
Parking				Parking Lot
Rider Hollow Leanto	.3	R	R	Rider Hollow
Balsam Mountain	2.5			Parking Lot
Belleayre Mountain	2.2			
Camping Prohibited within		S		Rider Hollow
150 Feet of Trail or Stream				Parking Lot
Trail		L		At first stream
				crossing
"If You Carry It In, Carry		S		First Leanto
It Out"				
Mapledale	2.8	L	R	Bridge (metal)
Belleayre Mountain	1.9	R	R	Bridge (metal)
Balsam Mountain				
(sign split off)				
No Camping within 150 Feet		S		Bridge (metal)
of Trail or Stream				
(Damaged)				
Spring		R		Second Leanto,
				McKenley Hollow
State Land Reg.'s		S		Trail Register
Arrow		L	R	Access Bridge
Trail		R		Access Bridge

<u>SIGN</u>	<u>ARROW</u>	<u>MARKER</u>	<u>LOCATION</u>
(2) Public Easement Across Private Land	S		Along Easement
McKenley Hollow Leanto .3	R	R	McKenley Hollow Parking Lot
Rider Hollow Leanto 2.9			
Belleayre Mountain 4.4			
"If You Carry It In, Carry It Out"	S		McKenley Hollow Parking Lot
Parking Area	L		McKenley Hollow Parking Lot
McKenley Hollow Trailhead Parking	S		McKenley Hollow Parking Lot
Populated Area. Target Practice or Shooting Strictly Prohibited	S		Burnham Hollow Parking Lot
"If You Carry It In, Carry It Out"	S		Burnham Hollow Parking Lot
Forest Preserve Access	R	R	Burnham Hollow Parking Lot
State Land Boundary Private Land Beyond This Point	S		Burnham Hollow Parking Lot
(6) State Land Boundary	S		Up through access corridor from parking lot

APPENDIX D - EASEMENTS

1-McKenley Hollow Access Easement

LIBER 1441 PG 918

FORM 555X N. Y. DEED-BARGAIN AND SALE Rev. 2/77

2-0727-1973

TITLEBLANK REGISTERED U. S. PAT. OFFICE
TITLE LAW FIRM PUBLISHED BY THE

This Indenture,

Made the 11th day of February
Nineteen Hundred and Eighty-One

Between FRANCES A. KEMPF, residing at
McKenley Hollow Road, Olivera, Ulster
County, New York,

party of the first part, and FRANK HITZ, ANASTAZIA HITZ and JANNETTE HITZ,
all residing at 20 East 35th Street, New York, New York 10016, as
joint tenants,

Witnesseth that the party of the first part, in consideration of

One Dollar (\$ 1.00)
lawful money of the United States, and other good and valuable consideration
paid by the parties of the second part, does hereby grant and release unto the
parties of the second part, their heirs and assigns forever

ALL THAT CERTAIN PIECE, PARCEL OR TRACT OF LAND, situate in
McKenley Hollow, Olivera, Town of Shandaken, County of Ulster and
State of New York, more particularly bounded and described as follows

Beginning at a point marked by a birch tree, said point being
the most Southwesterly corner of lands of Robert Walsh; thence from
said point of beginning N 08° 41' 05" E 30.34 feet along lands of
said Walsh and crossing the Walsh driveway to, an iron pipe set in the
ground; thence N 08° 41' 05" E 48.70 feet along lands of said Walsh
to an iron bolt set in the ground; thence N 24° 29' 00" W 47.83 feet
along lands of said Walsh to an iron bolt set in the ground; said
point being the most Northwesterly corner of lands of said Walsh;
thence N 44° 11' 30" W 158.06 feet along other lands of said Bindig,
Roesler and Schweiger to a large maple tree on the Northeasterly side
of a private road; thence S 46° 15' 50" W 76.81 feet and passing over
an iron pipe set in the ground on the Northeasterly side of McKenley
Hollow Brook to a point in the center of said brook; thence along
the center of McKenley Hollow Brook the following three courses and
distances: S 24° 43' 50" E 109.33 feet to a point; thence S 02° 31'
10" W 121.42 feet to a point; thence S 32° 28' 50" E 30.51 feet to a
point; thence N 61° 06' 20" E 133.38 feet along lands of Casimier Tym
and crossing the aforementioned private road to the point and place
of beginning.

Containing 0.721 acre of land, more or less.

ALSO GRANTING AND CONVEYING unto the parties of the second part,
their heirs and assigns, an equal and unrestricted use of a roadway
being fifty (50) feet in width for all usual and necessary means of
ingress and egress to and from the lands above described, to the
public highway known and distinguished as the McKenley Hollow Road,
which said roadway is located and running in a northerly direction
from the end of the McKenley Hollow Road to the premises above
described.

SUBJECT, HOWEVER, to all easements or rights granted or conveyed
to the New York State Gas and Electric Company and/or New York
Telephone Company for utility purposes.

EXCEPTING AND RESERVING from the above described premises a right
of way over the existing private road which crosses the Northwesterly

portion of such premises running from the Southeasterly boundary thereof to the Northwesterly boundary thereof as well as a spur from such existing roadway over the Southerly portion thereof which spur presently serves the premises of Robert and Phyllis Walsh on the East. There is also reserved a right of way from the aforesaid private right of way to McKenley Hollow Road to the 1.514 acre parcel of the parties of the first part which adjoin the above described premises on the Northeast which right of way shall be for the purpose of ingress and egress to such 1.514 acre parcel.

The above described premises are conveyed subject to the following covenants and restrictions which shall run with the land:

1. No trailers or unregistered vehicles, of any kind, to be left or placed upon the premises.

2. No more than one dwelling and one personal garage or carport, attached or detached, may be erected on each parcel; but no building may be erected less than twenty (20) feet from said 50 foot wide roadway.

3. All of the foregoing covenants and restrictions shall bind and enure to the benefit of the parties hereto, their heirs, legal representatives, successors and assigns forever.

★ The above described premises is also subject to the rights and privileges if any of the public and the State of New York to use a foot path or trail which crosses such premises on its most southerly portion. Such trail or path adjoins the McKenley Hollow Brook on the northeast and extends from the southeasterly boundary line of the above described premises, which is also the last course thereof in a northwesterly direction a distance of approximately 70 feet more or less to a wooden foot bridge which crosses the aforesaid brook and the third from last course of the above description set forth as S 82° 31' 10" W.

Being the same premises described in a deed from Gerhard Bindig, Herbert Roesler and Werner Schweiger to Frances A. Kemp dated May 10, 1974 and recorded in the Ulster County Clerk's on the same date in Liber 1324 of Deeds at page 936.

LIBER 1441 PG 919

LIBER 1176 PG 674

WARRANTY DEED, WITH FULL COVENANTS.
(Standard)

THIS INDENTURE

Made the 9th day of December
in the year nineteen hundred sixty-five

Between JOHN C. S. MCKILLIP, residing at 2216 Avenue A,
Bradenton Beach, County of MANATEE, State of Florida, party

of the first part,

And THE PEOPLE OF THE STATE OF NEW YORK, parties of the second part.

Witnesseth, That the party of the first part, in consideration of ELEVEN
THOUSAND SIX HUNDRED TWENTY and 80/100 DOLLARS (\$11,620.80)

lawful money of the United States, paid by the parties of the second part, does hereby grant and
release unto the said parties of the second part, and their successors and assigns forever,

ALL THAT TRACT, PIECE OR PARCEL OF LAND situate, lying and
being in the Town of Shandaken, County of Ulster and State of
New York, being a part of Lot 9 of Farms and the Gore Lot, being
part of Lot 2, Division 2 of Great Lot 7 of Hardenburgh Patent,
and more particularly bounded and described as follows:

BEGINNING at the common corner of Farm Lots 6 and 7 and
Lot 1 of Division 2 of Great Lot 7, Hardenburgh Patent
and the Gore Lot (being part of Lot 2, Division 2 of said
Great Lot 7) which is marked by a large stone on end
with stones around in the center of a large maple tree
stump; thence along the line of Lot 1 of Division 2 and
on a course of S 40°16' W, a distance of 43.86 chains to
a pile of stones standing in the easterly line of lands
of The People of the State of New York located in Lot 2
of Division 3 of said Great Lot 7; running thence S 48°13' E
along said easterly line of said lands of The People of
the State of New York, a distance of 67.873 chains to a
point therein marked by a pile of stones by an old hemlock
stump painted yellow and marking a corner of other lands
of The People of the State of New York in Lot 3 of Division
2 of said Great Lot 7; running thence along said lands of
The People of the State of New York N 37°46' W, a distance
of 15.816 chains to a point therein marked by a pile of
stones painted yellow; running thence still along said
lands of The People of the State of New York N 50°56' E,
a distance of 8.389 chains to a pile of stones painted
yellow; running thence still along said lands of The People
of the State of New York N 49°56' E, a distance of 41.909

chains to a point in the center line of Esopus Creek; thence running in a generally northerly direction and along the center line of said creek the following 4 courses and distances:

N 23°00' W 3.86 chains
N 14°25' W 4.24 chains
N 11°00' W 4.39 chains
N 6°00' W 7.59 chains to a point therein;

running thence along the southerly line of lands now or formerly of Fritz Kohtz, conveyed to him by deed recorded in the Ulster County Clerk's Office in Book 1078 cp 311, and on a course of S 49°36' W, a distance of 31.36 chains to a southwesterly corner of his lands marked by a stone on end with stones around; thence still along said lands of Kohtz and on a course of N 40°24' W, a distance of 17.46 chains to the line between Farm Lot 8 and 9 at a point therein marked by a stone on end with stones around and marking a corner in the lands of said Kohtz; thence along the Division Line between Farm Lot 8 and 9 and along the line of lands of said Kohtz, conveyed to him by deed in Book 1041 cp 276, S 49°36' W, a distance of 23.28 chains to the northerly line of the Gore Lot, so called, being a part of Lot 2 of Division 2 of Great Lot 7 in said Patent, marked by a pile of stones in said line which point is also the southerly corner of said Farm Lot 8 and a corner in the lands of said Kohtz; running thence on a course of N 18°44' W and along lands of said Kohtz, a distance of 14.81 chains to a point marked by an old pile of stones on a ledge north of a cornered beech tree stubstanding in the north line of said Gore Lot; running thence still along the north line of said Gore Lot and along land reputedly of William Schwerdtfeger (conveyed to him in Liber 1090 cp 849) and along lands reputedly of Eric Greissner, et al, (conveyed to him in Liber 603 cp 67) and on a course of N 21°04' W, a distance of 24.09 chains to the point or place of beginning.

Containing 322.8 acres of land, more or less.

All courses are referred to Magnetic North-year 1964.

TOGETHER with all the right, title and interest of the grantor of, in and to the said Esopus Creek and the bed thereof.

TOGETHER with a right-of-way over and across a certain roadway as presently existing leading southerly through the northeasterly portion of the lands of Fritz Kohtz from the County Highway to the southerly part of Farm Lot 9 herein above conveyed.

The roadway herein referred to is the roadway near the west side of Esopus Creek and is for ingress and egress by foot and vehicles to said County road.

TOGETHER with all the right, title and interest of the grantor of, in and to another certain roadway leading from the county road near the lands formerly of Orlando Van Valkenburgh and now of Karl Hofferburg southwesterly through the northerly portion of Farm Lot 9 (now owned by Fritz Kohtz) and through the southerly part of Farm Lot 8 (also owned by said Kohtz) and into the Gore Lot, so called, for ingress and egress thereto by foot and vehicle to and from said public highway.

LIBER 1176 PG 675



3 - Fernwood Cottage Access Easement

Handwritten initials

Hundred and twenty-six. THIS INDENTURE, Made the Second day of January in the year 1914
BETWEEN MATTIE LOUISE JOHNSON, of Maplewood, in the State of New York, party of the first part, and

BIG INDIAN WOOD PRODUCTS COMPANY, Limited, of Big Indian, in the State of New York, party of the second part,

WITNESSETH, that the said party of the first part, in consideration of One dollar and other good and valuable considerations lawful money of the United States paid by the party of the second part, does hereby grant and release unto the said party of the second part, its successors and assigns forever,

ALL THAT CERTAIN PIECE OR PARCEL OF LAND, situate, lying and being in the town of Shandaken, Ulster County, New York, in Great Lot No. 7, Hardenbergh Patent, part of lot No. 3, division two, and is known as the Falls lot and is bounded as follows:

BEGINNING at a heap of stones around a birch tree on the west side of the Esopus Creek opposite the farm formerly of Elias Murray, and running thence along the line of Farms South forty five degrees west forty chains to a heap of stones the Southwest corner of lot No. 9 aforesaid, then south thirty-four degrees west sixteen chains to a hemlock tree formerly a hard maple tree and stones the north corner of Lot No. 3, Division 3; thence the same south forty nine degrees forty-five minutes east twenty eight chains to a yellow pine tree and stones between lots three and three of divisions two and three; then North sixty degrees east four chains to stones and hemlock tree; then north eighty five degrees east thirty chains to a beech tree, then north 75 degrees east twelve chains and sixty links to a yellow birch sapling, then North fifty degrees east five chains and fifty six links to a tree and stones, then North seventy five degrees east five chains to a yellow birch tree and stones; then north eighty nine degrees east three chains fifty links to a beech tree; then North eighty five degrees east three chains and fifty links near a crooked beech tree; then North Seventy-two degrees thirty minutes East ten chains to a stake and stones east; then North thirty degrees east sixty two links to a corner of a house, then North fifteen degrees East one chain and eighteen links to the center of the Esopus Creek; then down the center of the said creek as it winds and turns one chain and forty six links to the line now owned by Robert Thompkins, then still down the center of the said creek as it winds and turns to the place of beginning. Containing two hundred and thirty acres of land, be the same more or less.

ALSO all that certain lot or parcel of land, situate, lying and being in Big Indian Hollow in said Town of Shandaken, in Great Lot No. 7, Hardenburgh Patent, bounded as follows, viz:

BEGINNING at a hemlock stump and stones the North corner of lot No. 3, Division 3, and runs south thirty four degrees west forty chains to a heap of stones on the ledge on the State line, thence south fifty two degrees and thirty minutes East thirty chains to a beech tree and stones; thence north twenty four degrees thirty minutes east thirty chains to a beech tree and stones; then North fifteen degrees West ten chains to a heap of stones and a beech sapling marked; thence North thirty degrees east three chains to a beech tree; thence North forty degrees east two chains to a hard maple sapling and stones; thence North thirty three degrees East two chains to a heap of stones on the west side of the road; then the road on the southeast bank of Cascade or Joe's Brook; thence down the brook as it winds and turns five feet from the west side of said road thirteen chains to a heap of stones; then five feet from the west side of the road; then North forty nine degrees and forty five minutes east twenty nine chains to the place of beginning. Containing one hundred and sixty one acres or less.

EXCEPTING AND RESERVING from the aforesaid land all that place

cel of land more particularly described as follows:

ALL THAT CERTAIN PIECE OR PARCEL OF LAND situate, lying and being in the Town of Shandaken, Ulster County, New York, in Great Lot No. 7 Hardenburgh Patent, and is designated or known as the northeasterly portion of the Falls Lot, and is bounded as follows:

BEGINNING at a point, such point being measured southwesterly two chains fifty links distant from a heap of stones around what was formerly a birch tree on the west shore of the Esopus Creek opposite the farm formerly of Elias Murray, and thence south forty two degrees thirty minutes east sixty chains thirty nine links to a point on the tenth course mentioned, in the description of the said Falls Lot in the conveyance of Anna Rossiter Peersall to Hattie Louise Johnson, dated January, 5th, 1915, and recorded in the office of the County Clerk of Ulster County in Book No. 451, at Page 29, and runs thence north seventy two degrees thirty minutes east one chain fifty links, thence north thirty degrees east sixty two links; thence north fifteen degrees east one chain and eighteen links to the center of the Esopus Creek; then down the center of the said creek as it winds and turns one chain and forty six links to the line now or formerly of Robert Tompkins; then still down the center of the said Creek as it winds and turns to the northwesterly line of the Falls Lot; thence through the first mentioned pile of stones and south forty five degrees west two chains and fifty links to the point or place of beginning. Containing about fifty four acres more or less.

The said party of the second part to have the full and free use of a right of way over and across certain lands now owned and occupied by the party of the first part, and known as the Fernwood Cottage Lot, the said right of way to be at least fifty feet back of said cottage leading from the property last described to the public highway.

Also the right and privilege to the free use of any easment or right of way that the party of the first part now has across the property now owned by Charles T. Andrews.

It is further covenanted that the said party of the second part shall have the full and free right of way or right of ways over and across the premises last described as shall give convenient and reasonable access to and from the premises hereby conveyed.

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to the said premises.

TO HAVE AND TO HOLD, the above granted premises, unto the said party of the second part, its successors and assigns forever.

AND the said party of the first part, does covenant with said party of the second part as follows:

- First. That the party of the second part shall quietly enjoy the said premises.
Second. That the said party of the first part will forever WARRANT the title to said premises.

IN WITNESS WHEREOF, the said party of the first part has hereunto set her hand and seal the day and year first above written.

In Presence of
A. E. Karn

Hattie Louise Johnson (L.S.)

\$3.50 I. R. Stamps cancelled

STATE OF NEW JERSEY:
COUNTY OF ESSEX: SS.:

On this 22th day of May in the year Nineteen Hundred and twenty six, before me, the subscriber, personally appeared

--- HATTIE LOUISE JOHNSON ---

to me known and known to me to be the same person described in, and who executed the within Instrument, and she duly acknowledged to me that she executed the same.

(Seal)

Albert E. Karn
Notary Public of N.J.
My Commission Expires May 14, 1930.

STATE OF NEW JERSEY:
COUNTY OF ESSEX: SS.:

I, JOHN H. SCOTT, Clerk of the County of Essex, (and also Clerk of the Circuit Court and Court of Common Pleas, the same being Courts of Record of the aforesaid County, having by law a seal) DO HEREBY CERTIFY, That

--- ALBERT Z. KARN, ESQ. ---

West Branch - Haynes Hollow Trail

THIS INDENTURE made this 16th day of November 19 37, between Scott Haynes of West Hurley, Ulster County, New York, party of the first part, and the People of the State of New York, represented by the Conservation Department, parties of the second part.

WITNESSETH, that the said party of the first part, in consideration of the sum of One Dollar (\$1.00) lawful money of the United States, to _____ paid by the party of the second part, does hereby grant unto the said parties of the second part an easement over lands of the party of the first part for the purpose of passing through or across the lands hereinafter described on foot, skis, snowshoes or horseback, as hereinafter provided, over a trail having a width of not exceeding twenty (20) feet throughout said trail except where, in the judgment of the parties of the second part, through the Conservation Department, greater width may be necessary to assure the safety of the public, on the following described land:

a strip of land 50' wide approximately lot 61 in Great Lot 7 Hardenburg Patent. Town of Hardenburg Ulster County N.Y.

Said easement to be for the public use and the location thereof to be as follows:

LICEN 1237 vs. 347

1. The parties of the second part shall have the right to enter upon said lands with teams and trucks to construct, improve and maintain the said trail.

2. The owner further grants unto the parties of the second part the right to remove such trees, stumps, rocks or other material deemed hazardous to the public in the use of the easement herein granted, and the further right to use any and all such material in the construction, improvement and maintenance of the said trail and the further right to make such changes in the location of said trail from time to time as shall be deemed desirable, provided said owner shall consent to such change of location.

TOGETHER with the appurtenances and all of the estate and rights of the party of the first part in and to said described easements.

TO HAVE AND TO HOLD the easements herein dedicated and granted unto the parties of the second part forever.

IN WITNESS WHEREOF, the said party of the first part has hereunto set his hand and seal.

ATTEST:

Al Scott Harvey

5 - Balsam Lake Angler's Club Access Easement

(This is the subject of an ongoing lawsuit.)

EXCEPTING AND RESERVING for the benefit of the parties of the first part and their heirs, successors and assigns and the balance of the land conveyed by the aforementioned deed from The Balsam Lake Club to the parties of the first part, which is intended to be conveyed by the parties of the first part to The Catskill Center for Conservation and Development, Inc. (the "adjoining land"), the right and easement to use the premises hereby conveyed with the exception of ^(Club House) PARCEL B, for ingress and egress to and from the adjoining land, for forestry and wildlife management on the adjoining land including the removal of timber from and hunting upon the adjoining land, and for conservation, scientific and educational purposes with respect to the premises conveyed hereby and the adjoining land, provided that the exercise of such rights shall neither injure the premises conveyed hereby nor injure or threaten the ecological balance, indigenous wildlife or scenic values of said premises or the adjoining land nor interfere with the use and enjoyment of said premises by the party of the second part or its successors or assigns. Said right and easement shall not include the right to create public trails across the premises hereby conveyed or to permit public trails across said premises other than presently existing public trails. It is understood that the adjoining lands are intended to be conveyed forthwith to The Catskill Center for Conservation and Development, Inc., at which time the aforesaid right and easement shall be for the benefit of said adjoining lands and The Catskill Center for Conservation and Development, Inc. and its successors and assigns and for the agents of said Center and hunters holding written permits from said Center or the successors or assigns of said Center.

LIBRE 1353, PAGE 438

LIBER 735 PAGE 581

THIS INDENTURE made this 6 day of October 1948, between Walter V. Najarian of Pine Hill, Ulster County, New York, party of the first part, and the People of the State of New York, represented by the Conservation Department, parties of the second part.

WITNESSETH, that the said party of the first part, in consideration of the sum of One Dollar (\$1.00) lawful money of the United States, to him paid by the party of the second part, does hereby grant unto the said parties of the second part an easement over lands of the party of the first part for the purpose of passage by the public through or across the lands hereinafter described on foot, skis, snowshoes or horseback, as hereinafter provided, over a trail having a width of not exceeding twenty (20) feet throughout said trail except where, in the judgement of the parties of the second part, through the Conservation Department, greater width may be necessary to assure the safety of the public. The lands of the party of the first part to which this easement shall apply are described as follows:

HARDENBURGH PATENT
GREAT LOT 8
LAUSETTE TRACT
Parts of Lots 87 and 88

situate in the Town of Shandaken, County of Ulster and State of New York, and being the same premises conveyed by Anna Shekerjian to Walter V. Najarian, party of the first part herein by deed dated January 19, 1937; acknowledged February 19, 1937 and recorded in the Office of the Clerk of Ulster County on August 7, 1937 in Book of Deeds 589 at Page 565.

Said easement to be for the public use and the location thereof to be as follows:

Following the course of the present trail extending from the Village of Pine Hill to the fire observation tower on Belle Ayre Mountain.

1. The parties of the second part shall have the right to enter upon said lands with teams and trucks to construct, improve, and maintain the said trail.

2. The owner further grants unto the parties of the second part the right to remove such trees, stumps, rocks or other material deemed hazardous to the public in the use of easement herein granted, and the further right to use any and all such material in the construction, improvement and maintenance of the said trail and the further right to make such changes in the location of said trail from time to time as shall be deemed desirable.

TOGETHER with the appurtenances and all of the estate and rights of the party of the first part in and to the above described easements.

TO HAVE AND TO HOLD the easements herein dedicated and granted unto the parties of the second part forever.

IN WITNESS WHEREOF, the said party of the first part has hereunto set his hand and seal.

ATTEST:

Walter V. Najarian

APPENDIX E - RARE PLANTS

NORTHERN MONKSHOOD
Aconitum noveboracense

FAMILY: Buttercup family (Ranunculaceae)

FLOWERING PERIOD: July to September.

NY NATURAL HERITAGE PROGRAM RANK: G2S2.

PROTECTION STATUS: Federally Threatened. US Federal Register 1985.

DESCRIPTION: Erect or reclining, from a tuberous-thickened root. Leaves deeply lobed or toothed, 5-7 cleft, lower leaves 6-10 cm broad purple flowers with distinctive helmet and concealed upper two petals lower three petals small or absent.

DISTRIBUTION: Northern Monkshood is found in only New York, Ohio, Wisconsin, and Iowa.

HABITAT: In New York, Northern Monkshood grows in shaded cool alluvial substrates, particularly mosses and cobbles along streams. In the Midwest the Northern Monkshood grows on cool moist talus slope and under the water-line of overhanging cliffs and ledges.

TAXONOMIC COMMENT: Northern Monkshood may be conspecific with Aconitum noveboracense of Western North America.

MANAGEMENT: Because of the fragile habitat of this species a minimum of human activity is desired. Place trails away from river banks and fence areas to reduce grazing if it occurs.

SELECTED REFERENCES:

Field, T. C. and J. L. Platt. 1983. Upper Beaverkill Valley Resources Survey. Open Space Institute.

Mitchell, R. S. 1982. Recovery Plan and Status of Northern Monk's-hood (Aconitum noveboracense) in New York. unpublished

Read, R. H. & J. B. Hale. 1983. Recovery Plan for Northern Monkshood. U. S. Fish and Wildlife Service.



NORTHERN MONK'S-HOOD *Aconitum noveboracense*. These rare and beautiful plants were the first in New York State to be protected by federal law. The species, which derives its latin name from its discovery in New York, is known from fewer than 20 locations in the world. Illustrated here are fall plants which have fruited from July-August flowers and continue to flower after deer browse. From "Rare Plants of New York State," Mitchell and Sheviak, 1981.

JACOB'S LADDER
Polemonium vanbruntiae

FAMILY: Jacob's Ladder Family (Polemoniaceae)

FLOWERING PERIOD: June to August.

NY NATURAL HERITAGE PROGRAM RANK: G3S2.

PROTECTION STATUS: Federal Category 2. Federal Register 1985.

DESCRIPTION: Jacob's Ladders are moderately tall herbs, 0.75-1.5 m, with compound (ladder-like) leaves and blue to purple flowers. Polemonium vanbruntiae is most easily distinguished from P. reptans (the other Jacob's Ladder in NY) by the long exerted stamens and generally greater number of leaflets in P. vanbruntiae.

DISTRIBUTION: Jacob's Ladder is known from 7 states and 2 Canadian provinces. Currently there are about 30 extent sites from West Virginia and Maryland to New York and Vermont.

HABITAT: Polemonium vanbruntiae is a swamp plant which prefers subacid or neutral substrates. It does best in open sedge meadows.

TAXONOMIC COMMENTS: Polemonium vanbruntiae is often considered a subspecies of Polemonium caeruleum, a western North American species.

MANAGEMENT: Because this Jacob's Ladder seems to do best in open early successional situations the best management practice would be to keep the shrubs, usually Alders and Spirea, down. Other major problems are flooding due to beaver activity and grazing by deer or other animals.

SELECTED REFERENCES:

Davidson, John F. 1950. The genus Polemonium (Tournefort) L. Univ. of Calif. Pub. in Bot. 23(5) 209-282.

JACOB'S LADDER



Fig. 2. *Polemonium caeruleum* L. subsp. *VanBruntiae* (Britt.), comb. nov.
a, Habit, $\times \frac{1}{2}$. b, Dissection of flower, $\times 2$. c, Calyx, $\times 2$.

From Davidson (1950).

RIDER HOLLOW

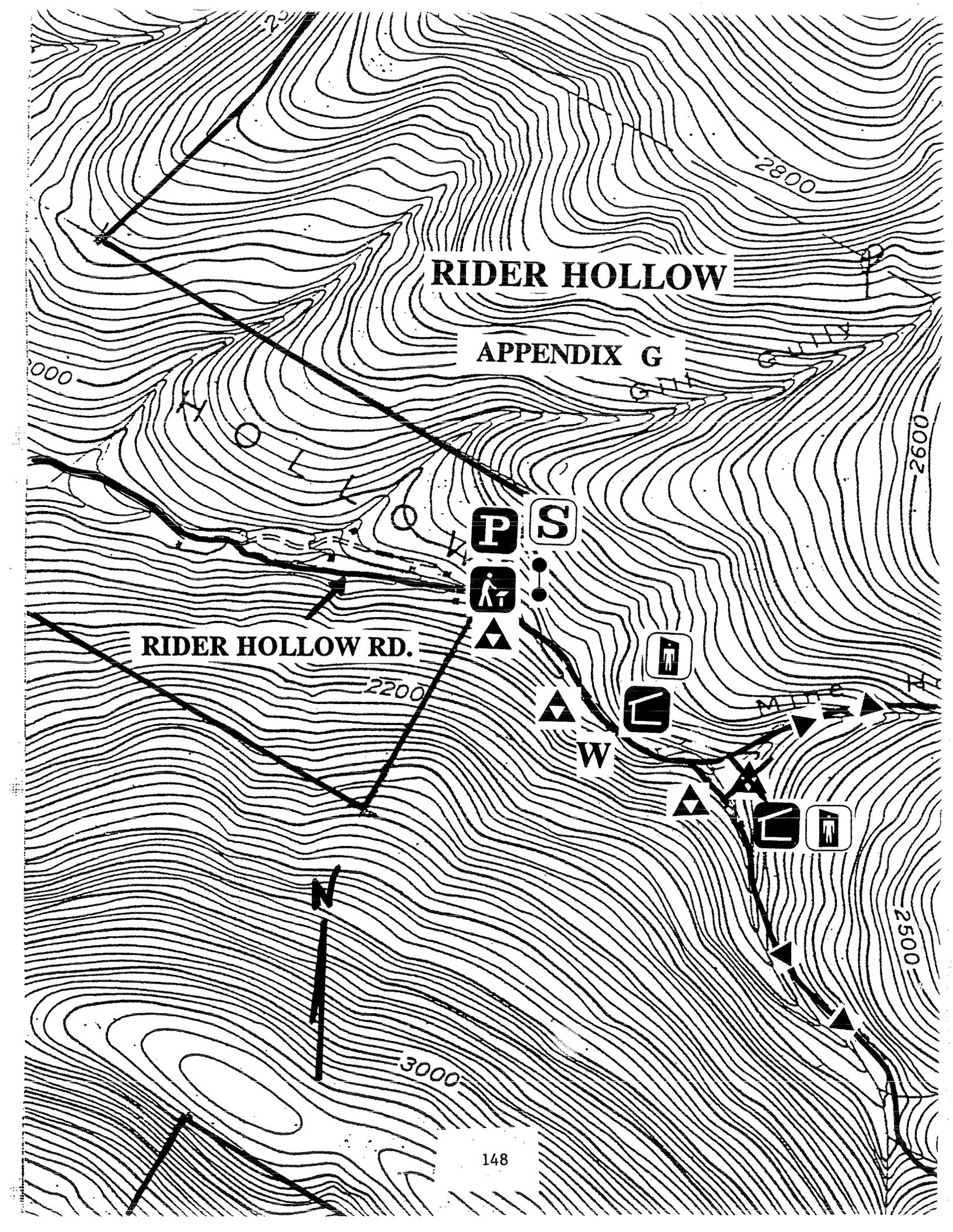
APPENDIX G

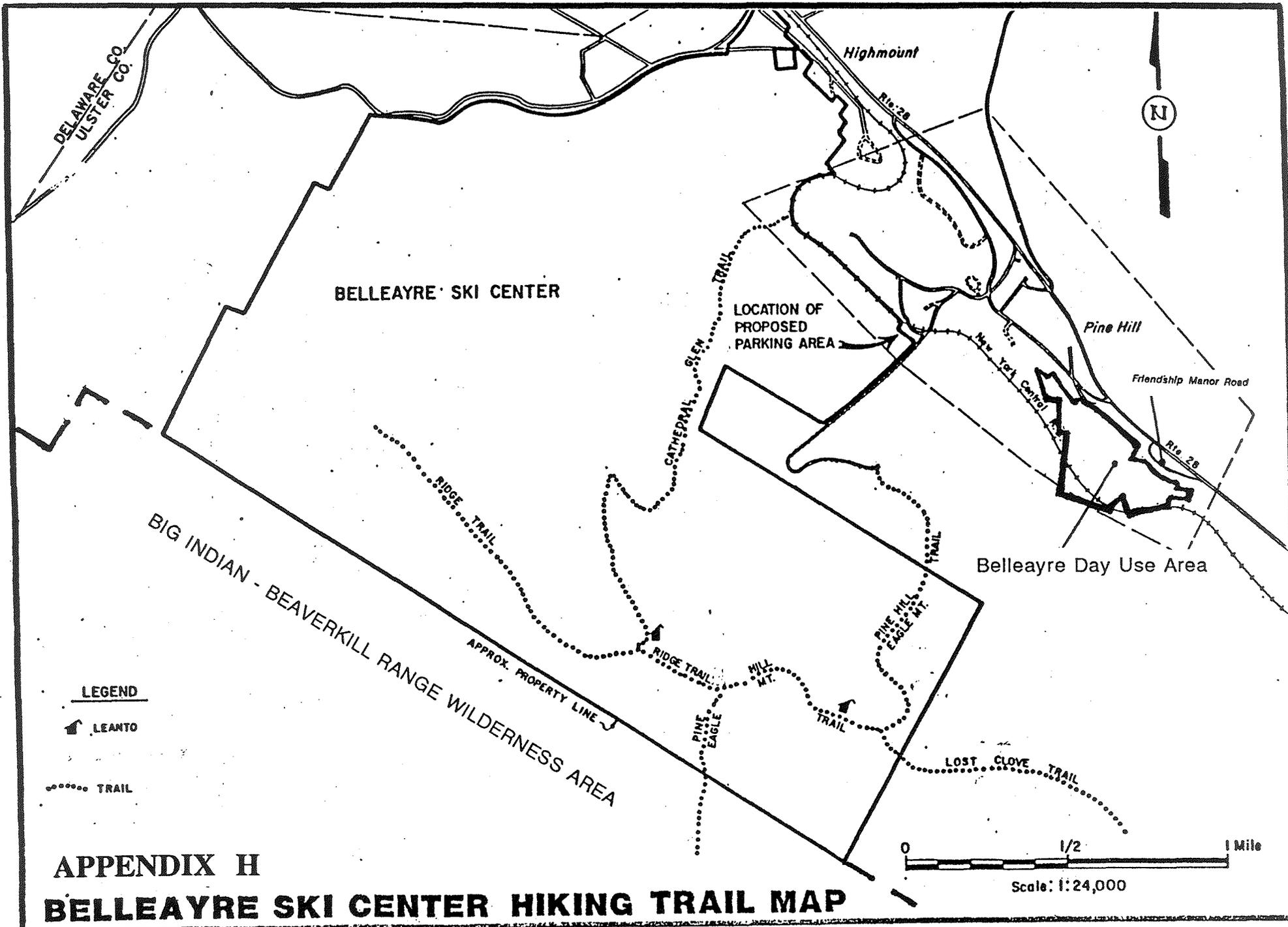
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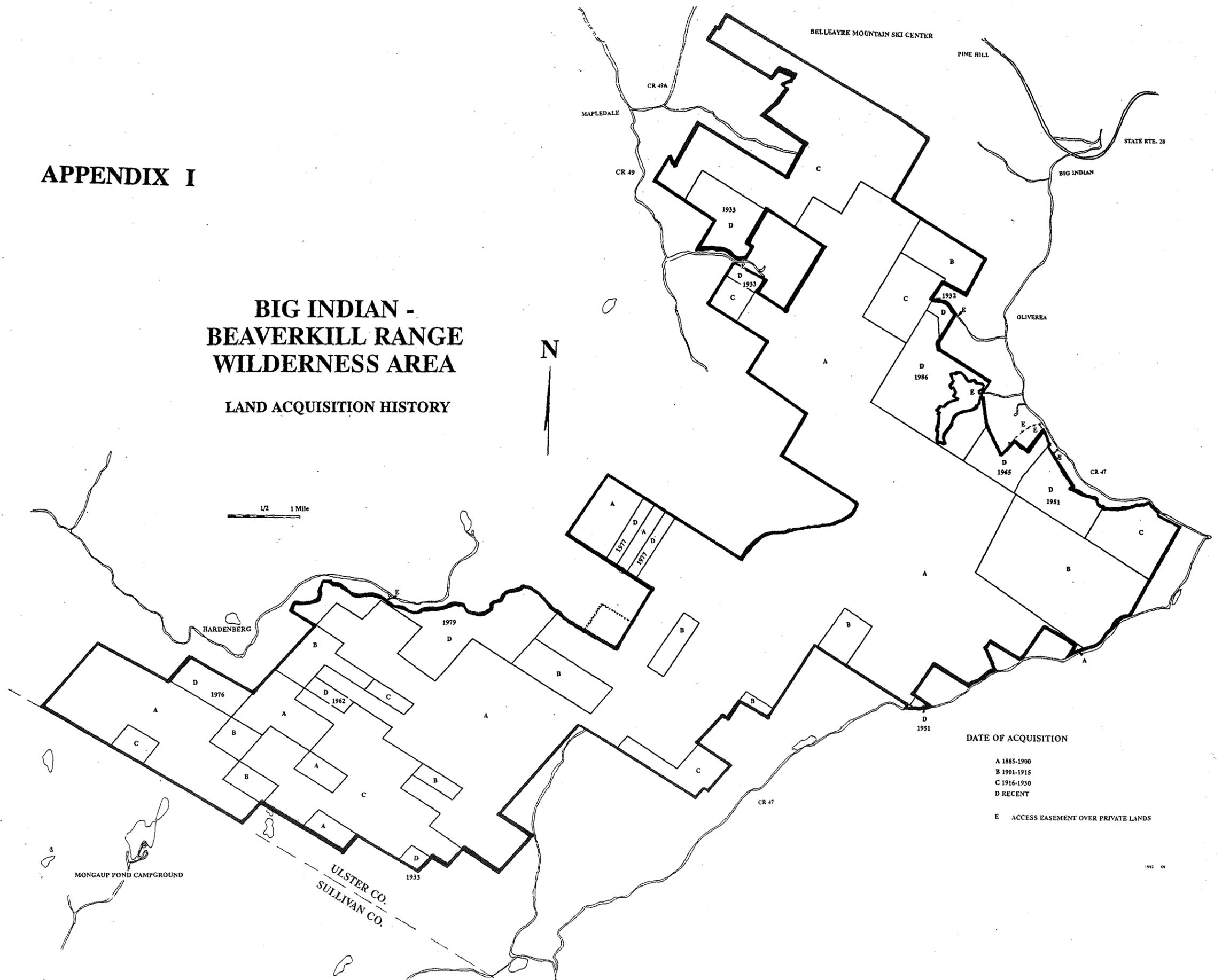


APPENDIX H
BELLEAYRE SKI CENTER HIKING TRAIL MAP

APPENDIX I

BIG INDIAN - BEAVERKILL RANGE WILDERNESS AREA

LAND ACQUISITION HISTORY



APPENDIX J

BIG INDIAN -
BEAVERKILL RANGE
WILDERNESS AREA
GENERAL TOPOGRAPHIC MAP

N

1/2 1 Mile

SHANDAKEN QUADRA
NEW YORK-ULSTER CO.
15 MINUTE SERIES (TOPOGRAPHIC)

BELLEAYRE MOUNTAIN SKI CENTER

PINE HILL

STATE RTE. 28

BIG INDIAN

OLIVEREA

BEAVERKILL STREAM

HARDENBERG

HARDENBERG

STATE FOREST RESERVE

DENNING

ULSTER CO.
SULLIVAN CO.

MONGAUP POND CAMPGROUND

CATSKILL STATE PARK

NEVERSINK RIVER WEST BRANCH

STATE FOREST PRESERVE

SHANDAKEN

STATE FOREST PRESERVE

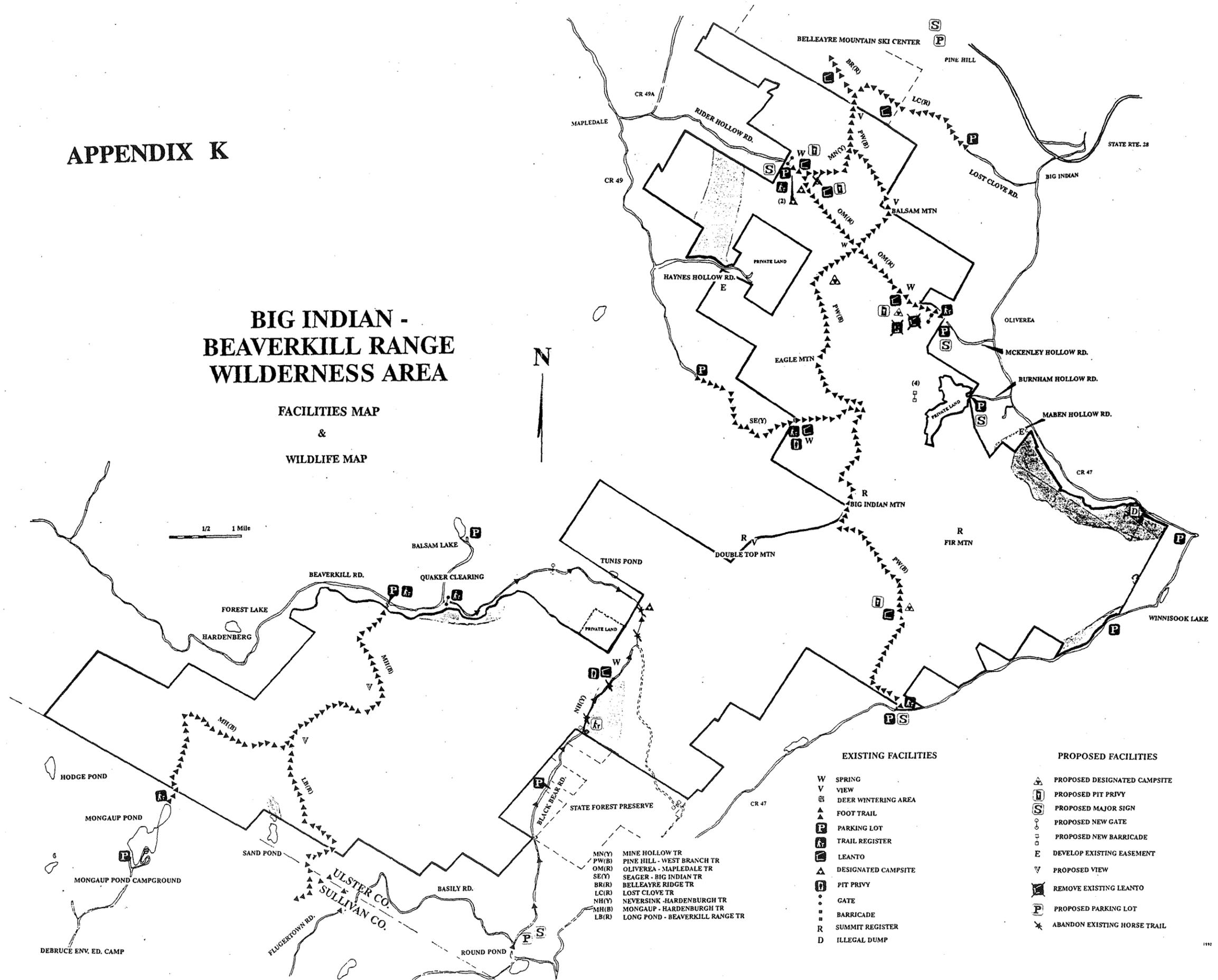
1992 01

DENNING

APPENDIX K

BIG INDIAN - BEAVERKILL RANGE WILDERNESS AREA

FACILITIES MAP
&
WILDLIFE MAP



EXISTING FACILITIES

- W SPRING
- V VIEW
- S DEER WINTERING AREA
- ▲ FOOT TRAIL
- P PARKING LOT
- R TRAIL REGISTER
- LEANTO
- ▲ DESIGNATED CAMPSITE
- PIT PRIVY
- GATE
- BARRICADE
- R SUMMIT REGISTER
- D ILLEGAL DUMP

PROPOSED FACILITIES

- ▲ PROPOSED DESIGNATED CAMPSITE
- PROPOSED PIT PRIVY
- S PROPOSED MAJOR SIGN
- PROPOSED NEW GATE
- PROPOSED NEW BARRICADE
- E DEVELOP EXISTING EASEMENT
- V PROPOSED VIEW
- REMOVE EXISTING LEANTO
- P PROPOSED PARKING LOT
- ✕ ABANDON EXISTING HORSE TRAIL

- MN(Y) MINE HOLLOW TR
- PW(B) PINE HILL - WEST BRANCH TR
- OM(R) OLIVEREA - MAPLEDALE TR
- SE(Y) SEAGER - BIG INDIAN TR
- BR(R) BELLEAYRE RIDGE TR
- LC(R) LOST CLOVE TR
- NH(Y) NEVERSINK - HARDENBURGH TR
- MH(B) MONGAUP - HARDENBURGH TR
- LB(R) LONG POND - BEAVERKILL RANGE TR

APPENDIX L

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